

HEAT SHOCK FUSION-BASED VACCINE SYSTEM

Abstract of the Disclosure

Disclosed are self-epitope-containing heat shock fusion proteins, DNA constructs encoding such fusion proteins, and methods of use. More specifically, disclosed are ubiquitin fusion proteins comprising ubiquitin fused to a plurality of identical or non-identical self-epitopes at specified locations. Immunization of an animal with these ubiquitin fusion proteins elicits an immune response to self-antigens present on endogenous proteins. Generation of an immune response to a specified self-antigen is a mechanism to decrease the levels of the endogenous protein below baseline.

IGN\ARC\2004.AP

65E780" T24260